

September 11, 2012

Sandy Wackett
DEQ LABORATORY
602 N. Fifth St.
Baton Rouge, LA 70802

RE: Project 20143648 Project ID: BAYOU CORNE

#### Dear Sandy Wackett:

Enclosed are the analytical results for sample(s) received by the laboratory on September 06, 2012. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerly,

Cindy Olavesen

cindy.olavesen@pacelabs.com

Ciroly Olovesa



#### REPORT OF LABORATORY ANALYSIS

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# Pace Analytical<sup>™</sup>

## **Laboratory Certifications**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

**Project:** 20143648

Client: DEQ LABORATORY

Project ID: BAYOU CORNE

Washington Department of Ecology C2078

Oregon Environmental Laboratory Accreditation - LA200001 U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119 Pennsylviania Dept. of Env Protection (NELAC) 68-04202

Texas Commission on Env. Quality (NELAC) T104704405-09-TX Kansas Department of Health and Environment (NELAC) E-10266

Florida Department of Health (NELAC) E87595

Oklahoma Department of Environmental Quality - 2010-139

Illinois Environmental Protection Agency - 0025721

California Env. Lab Accreditation Program Branch - 11277CA Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006





# **Sample Cross Reference**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

**Project:** 20143648

Client: DEQ LABORATORY

Project ID: BAYOU CORNE

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
 •				
327-090512-TB	201018183	Water	05-Sep-12 00:00	06-Sep-12 10:15
327-090512-98-M4	201018185	Water	05-Sep-12 13:35	06-Sep-12 10:15
327-090512-88-M6	201018186	Water	05-Sep-12 13:45	06-Sep-12 10:15
327-090512-95-M1	201018188	Water	05-Sep-12 11:30	06-Sep-12 10:15
327-090512-73-M2	201018189	Water	05-Sep-12 12:00	06-Sep-12 10:15
327-090512-M16	201018190	Water	05-Sep-12 12:05	06-Sep-12 10:15
327-090512-80-M10	201018191	Water	05-Sep-12 12:20	06-Sep-12 10:15
327-090512-87-11	201018194	Water	05-Sep-12 12:30	06-Sep-12 10:15
327-090512-81-M12	201018196	Water	05-Sep-12 12:40	06-Sep-12 10:15
327-090512-89-M7	201018199	Water	05-Sep-12 13:10	06-Sep-12 10:15
327-090512-90-M8	201018201	Water	05-Sep-12 13:00	06-Sep-12 10:15



# **Project Narrative**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

	<b>Project:</b> 20143648
Sample Receipt Condition:	
All samples were received in a	ecordance with EPA protocol.
Holding Times:	
All holding times were met.	
Blanks:	
All blank results were below re	porting limits.
Laboratory Control Samples:	
All LCS recoveries were within	QC limits.
Matrix Spikes and Duplicates:	
-	of QC limits are qualified in the Report of Quality Control section.
WIS OF WISD recoveries outside	of QC mints are quantice in the resport of Quanty Control section.
Surrogates:	
All surrogate recoveries were v	vithin OC limits



# **QC Cross Reference**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

**Project:** 20143648

 <b>Analytical Method</b>	Batch	Sample used for QC
EPA 8260	191570	Project sample 327-090512-88-M6
EPA 8260	191570	Project sample 327-090512-88-M6
SM 2540C	191664	Project sample 327-090512-98-M4
SM 4500-C1 E	191612	Project sample 327-090512-98-M4

Narrative1 9/11/2012 11:22:36

For the sample used as the original for the DUP or MS/MSD for the batch:





**Client:** DEQ LABORATORY

Client ID: <u>327-090512-TB</u> Project: <u>20143648</u>

Project ID: BAYOU CORNE Site: None

**Description:** None Prep Level: Water Batch: 191570

Method: EPA 8260

GCMS VOAs Water Collected: 05-Sep-12 Received: 06-Sep-12

Prepared: 06-Sep-12

Units: ug/L

					Reporting		
CAS No.	Analyte	Dilution	Result	Qu	Limit	Reg Limit	Analysis
71-43-2	Benzene	1	ND		5.00		06-Sep-12 13:08 MHM
100-41-4	Ethylbenzene	1	ND		5.00		06-Sep-12 13:08 MHM
108-88-3	Toluene	1	ND		5.00		06-Sep-12 13:08 MHM
	m&p-Xylene	1	ND		5.00		06-Sep-12 13:08 MHM
95-47-6	o-Xylene	1	ND		5.00		06-Sep-12 13:08 MHM

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Client: DEQ LABORATORY

Client ID: <u>327-090512-98-M4</u> Project: <u>20143648</u>

Project ID: BAYOU CORNE Site: None

**Description:** None **Prep Level:** Water **Batch:** 191570

Method: EPA 8260

GCMS VOAs Water Collected: 05-Sep-12 Received: 06-Sep-12

Prepared: 06-Sep-12

Units: ug/L

					Reporting		
CAS No.	Analyte	Dilution	Result	Qu	Limit	Reg Limit	Analysis
71-43-2	Benzene	1	ND		5.00		06-Sep-12 13:28 MHM
100-41-4	Ethylbenzene	1	ND		5.00		06-Sep-12 13:28 MHM
108-88-3	Toluene	1	ND		5.00		06-Sep-12 13:28 MHM
	m&p-Xylene	1	ND		5.00		06-Sep-12 13:28 MHM
95-47-6	o-Xylene	1	ND		5.00		06-Sep-12 13:28 MHM





**Client:** <u>DEQ LABORATORY</u>

Client ID: <u>327-090512-88-M6</u> Project: <u>20143648</u>

Project ID: <u>BAYOU CORNE</u> Site: <u>None</u>

**Description:** None Prep Level: Water Batch: 191570

**Method:** <u>EPA 8260</u>

GCMS VOAs Unpreserved Collected: 05-Sep-12 Received: 06-Sep-12

Prepared: 06-Sep-12

Units: ug/L

					Reporting		
CAS No.	Analyte	Dilution	Result	Qu	Limit	Reg Limit	Analysis
71-43-2	Benzene	1	ND		5.00		06-Sep-12 13:49 MHM
100-41-4	Ethylbenzene	1	ND		5.00		06-Sep-12 13:49 MHM
108-88-3	Toluene	1	ND		5.00		06-Sep-12 13:49 MHM
	m&p-Xylene	1	ND		5.00		06-Sep-12 13:49 MHM
95-47-6	o-Xylene	1	ND		5.00		06-Sep-12 13:49 MHM





Client: DEQ LABORATORY

Client ID: <u>327-090512-88-M6 MS 1</u> Project: <u>20143648</u>

Project ID: BAYOU CORNE Site: None

**Description:** None **Prep Level:** Water **Batch:** 191570

Method: EPA 8260

GCMS VOAs Water MS Collected: 05-Sep-12 Received: 06-Sep-12

Prepared: 06-Sep-12

Units: ug/L

					Reporting		
CAS No.	Analyte	Dilution	Result	Qu	Limit	Reg Limit	Analysis
71-43-2	Benzene	1	48.2		5.00		06-Sep-12 14:09 MHM
100-41-4	Ethylbenzene	1	49.5		5.00		06-Sep-12 14:09 MHM
108-88-3	Toluene	1	46.5		5.00		06-Sep-12 14:09 MHM
	m&p-Xylene	1	106.		5.00		06-Sep-12 14:09 MHM
95-47-6	o-Xylene	1	52.0		5.00		06-Sep-12 14:09 MHM



Client: DEQ LABORATORY

Client ID: <u>327-090512-88-M6 MSD 1</u> **Project:** 20143648

**Project ID:** BAYOU CORNE Site: None

**Lab ID:** 201018186 MSD 1 Matrix: Water % Moisture: n/a

**Description:** None Prep Level: Water **Batch:** <u>191570</u>

Method: EPA 8260

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GCMS VOAs Water MS Collected: 05-Sep-12 Received: 06-Sep-12

Prepared: 06-Sep-12

Units: ug/L

					Reporting		
CAS No.	Analyte	Dilution	Result	Qu	Limit	Reg Limit	Analysis
71-43-2	Benzene	1	47.6		5.00		06-Sep-12 14:29 MHM
100-41-4	Ethylbenzene	1	48.9		5.00		06-Sep-12 14:29 MHM
108-88-3	Toluene	1	46.3		5.00		06-Sep-12 14:29 MHM
	m&p-Xylene	1	105.		5.00		06-Sep-12 14:29 MHM
95-47-6	o-Xylene	1	51.7		5.00		06-Sep-12 14:29 MHM





**Client:** <u>DEQ LABORATORY</u>

Client ID: <u>327-090512-95-M1</u> Project: <u>20143648</u>

Project ID: BAYOU CORNE Site: None

**Description:** None Prep Level: Water Batch: 191570

Method: EPA 8260

GCMS VOAs Unpreserved Collected: 05-Sep-12 Received: 06-Sep-12

Prepared: 06-Sep-12

Units: ug/L

					Reporting		
CAS No.	Analyte	Dilution	Result	Qu	Limit	Reg Limit	Analysis
71-43-2	Benzene	1	ND		5.00		06-Sep-12 14:50 MHM
100-41-4	Ethylbenzene	1	ND		5.00		06-Sep-12 14:50 MHM
108-88-3	Toluene	1	ND		5.00		06-Sep-12 14:50 MHM
	m&p-Xylene	1	ND		5.00		06-Sep-12 14:50 MHM
95-47-6	o-Xylene	1	ND		5.00		06-Sep-12 14:50 MHM





Client: DEQ LABORATORY

Client ID: <u>327-090512-73-M2</u> Project: <u>20143648</u>

Project ID: BAYOU CORNE Site: None

**Description:** None **Prep Level:** Water **Batch:** 191570

Method: EPA 8260

GCMS VOAs Unpreserved Collected: 05-Sep-12 Received: 06-Sep-12

Prepared: 06-Sep-12

Units: ug/L

					Reporting		
CAS No.	Analyte	Dilution	Result	Qu	Limit	Reg Limit	Analysis
71-43-2	Benzene	1	ND		5.00		06-Sep-12 15:10 MHM
100-41-4	Ethylbenzene	1	ND		5.00		06-Sep-12 15:10 MHM
108-88-3	Toluene	1	ND		5.00		06-Sep-12 15:10 MHM
	m&p-Xylene	1	ND		5.00		06-Sep-12 15:10 MHM
95-47-6	o-Xylene	1	ND		5.00		06-Sep-12 15:10 MHM





Client: DEQ LABORATORY

Client ID: <u>327-090512-M16</u> Project: <u>20143648</u>

Project ID: BAYOU CORNE Site: None

**Description:** None **Prep Level:** Water **Batch:** 191570

**Method:** <u>EPA 8260</u>

GCMS VOAs Unpreserved Collected: 05-Sep-12 Received: 06-Sep-12

Prepared: 06-Sep-12

Units: ug/L

					Reporting		
CAS No.	Analyte	Dilution	Result	Qu	Limit	Reg Limit	Analysis
71-43-2	Benzene	1	ND		5.00		06-Sep-12 15:30 MHM
100-41-4	Ethylbenzene	1	ND		5.00		06-Sep-12 15:30 MHM
108-88-3	Toluene	1	ND		5.00		06-Sep-12 15:30 MHM
	m&p-Xylene	1	ND		5.00		06-Sep-12 15:30 MHM
95-47-6	o-Xylene	1	ND		5.00		06-Sep-12 15:30 MHM





Client: DEQ LABORATORY

Client ID: <u>327-090512-80-M10</u> Project: <u>20143648</u>

Project ID: BAYOU CORNE Site: None

**Description:** None **Prep Level:** Water **Batch:** 191570

Method: EPA 8260

GCMS VOAs Unpreserved Collected: 05-Sep-12 Received: 06-Sep-12

Prepared: 06-Sep-12

Units: ug/L

					Reporting		
CAS No.	Analyte	Dilution	Result	Qu	Limit	Reg Limit	Analysis
71-43-2	Benzene	1	ND		5.00		06-Sep-12 15:50 MHM
100-41-4	Ethylbenzene	1	ND		5.00		06-Sep-12 15:50 MHM
108-88-3	Toluene	1	ND		5.00		06-Sep-12 15:50 MHM
	m&p-Xylene	1	ND		5.00		06-Sep-12 15:50 MHM
95-47-6	o-Xylene	1	ND		5.00		06-Sep-12 15:50 MHM





**Client:** <u>DEQ LABORATORY</u>

Client ID: <u>327-090512-87-11</u> Project: <u>20143648</u>

Project ID: BAYOU CORNE Site: None

**Description:** None **Prep Level:** Water **Batch:** 191570

**Method:** <u>EPA 8260</u>

GCMS VOAs Unpreserved Collected: 05-Sep-12 Received: 06-Sep-12

Prepared: 06-Sep-12

Units: ug/L

					Reporting		
CAS No.	Analyte	Dilution	Result	Qu	Limit	Reg Limit	Analysis
71-43-2	Benzene	1	ND		5.00		06-Sep-12 16:11 MHM
100-41-4	Ethylbenzene	1	ND		5.00		06-Sep-12 16:11 MHM
108-88-3	Toluene	1	ND		5.00		06-Sep-12 16:11 MHM
	m&p-Xylene	1	ND		5.00		06-Sep-12 16:11 MHM
95-47-6	o-Xylene	1	ND		5.00		06-Sep-12 16:11 MHM





**Client:** DEQ LABORATORY

Client ID: <u>327-090512-81-M12</u> Project: <u>20143648</u>

Project ID: BAYOU CORNE Site: None

**Description:** None Prep Level: Water Batch: 191570

**Method:** <u>EPA 8260</u>

GCMS VOAs Unpreserved Collected: 05-Sep-12 Received: 06-Sep-12

Prepared: 06-Sep-12

Units: ug/L

					Reporting		
CAS No.	Analyte	Dilution	Result	Qu	Limit	Reg Limit	Analysis
71-43-2	Benzene	1	ND		5.00		06-Sep-12 16:31 MHM
100-41-4	Ethylbenzene	1	ND		5.00		06-Sep-12 16:31 MHM
108-88-3	Toluene	1	ND		5.00		06-Sep-12 16:31 MHM
	m&p-Xylene	1	ND		5.00		06-Sep-12 16:31 MHM
95-47-6	o-Xylene	1	ND		5.00		06-Sep-12 16:31 MHM





Client: DEQ LABORATORY

Client ID: <u>327-090512-89-M7</u> Project: <u>20143648</u>

Project ID: BAYOU CORNE Site: None

**Description:** None **Prep Level:** Water **Batch:** 191570

Method: EPA 8260

GCMS VOAs Unpreserved Collected: 05-Sep-12 Received: 06-Sep-12

Prepared: 06-Sep-12

Units: ug/L

					Reporting		
CAS No.	Analyte	Dilution	Result	Qu	Limit	Reg Limit	Analysis
71-43-2	Benzene	1	ND		5.00		06-Sep-12 16:51 MHM
100-41-4	Ethylbenzene	1	ND		5.00		06-Sep-12 16:51 MHM
108-88-3	Toluene	1	ND		5.00		06-Sep-12 16:51 MHM
	m&p-Xylene	1	ND		5.00		06-Sep-12 16:51 MHM
95-47-6	o-Xylene	1	ND		5.00		06-Sep-12 16:51 MHM





**Client:** <u>DEQ LABORATORY</u>

Client ID: <u>327-090512-90-M8</u> Project: <u>20143648</u>

Project ID: BAYOU CORNE Site: None

**Description:** None **Prep Level:** Water **Batch:** 191570

Method: EPA 8260

GCMS VOAs Unpreserved Collected: 05-Sep-12 Received: 06-Sep-12

Prepared: 06-Sep-12

Units: ug/L

					Reporting		
CAS No.	Analyte	Dilution	Result	Qu	Limit	Reg Limit	Analysis
71-43-2	Benzene	1	ND		5.00		06-Sep-12 17:11 MHM
100-41-4	Ethylbenzene	1	ND		5.00		06-Sep-12 17:11 MHM
108-88-3	Toluene	1	ND		5.00		06-Sep-12 17:11 MHM
	m&p-Xylene	1	ND		5.00		06-Sep-12 17:11 MHM
95-47-6	o-Xylene	1	ND		5.00		06-Sep-12 17:11 MHM



**Client ID:** <u>327-090512-98-M4</u>

## **Sample Results**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

**Project:** <u>20143648</u>

Project ID: BAYOU CORNE Site: None

**Description:** None

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Chloride	SM 4500-Cl E	191612	100	3400	D1	mg/L	100.	06-Sep-12	06-Sep-12 16:02 JMA	
Total Dissolved Solids	SM 2540C	191664	1	7200		mg/L	10.0	07-Sep-12	07-Sep-12 09:52 MLS2	



Client ID: <u>327-090512-98-M4 DUP 1</u>

## **Sample Results**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

**Project:** 20143648

Project ID: BAYOU CORNE Site: None

**Lab ID:** 201018185 DUP 1 **Matrix:** Water **%Moisture:** n/a

**Description:** None

Collected: 05-Sep-12 Received: 06-Sep-12

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Chloride Total Dissolved Solids	SM 4500-Cl E SM 2540C	191612 191664	100	3410 7760	D1	mg/L mg/L	100. 10.0	•	06-Sep-12 16:02 JMA 07-Sep-12 09:53 MLS2	



## **Sample Results**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

**Project:** 20143648 **Client ID:** <u>327-090512-98-M4 MS 1</u>

**Project ID:** BAYOU CORNE Site: None

**Lab ID:** 201018185 MS 1 Matrix: Water %Moisture: n/a

**Description:** None

Collected: 05-Sep-12 Received: 06-Sep-12

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Chloride	SM 4500-Cl E	191612	100	3200	D1,Q3	3 mg/L	100.	06-Sep-12 06	-Sep-12 16:02 JMA	



Client ID: <u>327-090512-88-M6</u> **Project ID:** <u>BAYOU CORNE</u>

## **Sample Results**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

**Project:** 20143648

Site: None

Matrix: Water %Moisture: n/a

**Lab ID:** 201018186

**Description:** None

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

							Reporting			
Analyte	Method	Batch	DF	Result	Qu	Units	Limit	Prep.	Analysis	Limit
Chloride	SM 4500-Cl E	191612	100	3270	D1	mg/L	100.	06-Sep-12	06-Sep-12 16:02 JMA	
Total Dissolved Solids	SM 2540C	191664	1	6840		mg/L	10.0	07-Sep-12	07-Sep-12 09:53 MLS2	



**Client ID:** <u>327-090512-95-M1</u> **Project ID:** <u>BAYOU CORNE</u>

## **Sample Results**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

**Project:** 20143648

Site: None

Matrix: Water %Moisture: n/a

**Lab ID:** 201018188

**Description:** None

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Chloride Total Dissolved Solids	SM 4500-Cl E SM 2540C	191612 191664	100	2590 5200	D1	mg/L mg/L	100. 10.0	•	06-Sep-12 16:02 JMA 07-Sep-12 09:54 MLS2	



Client ID: <u>327-090512-73-M2</u> **Project ID:** <u>BAYOU CORNE</u>

## **Sample Results**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

**Project:** 20143648

Site: None

Matrix: Water %Moisture: n/a

**Lab ID:** <u>201018189</u>

**Description:** None

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Chloride	SM 4500-Cl E	191612	100	2440	D1	mg/L	100.	06-Sep-12	06-Sep-12 16:02 JMA	
Total Dissolved Solids	SM 2540C	191664	1	4830		mg/L	10.0	07-Sep-12	07-Sep-12 09:54 MLS2	



Client ID: <u>327-090512-M16</u> **Project ID:** <u>BAYOU CORNE</u>

## **Sample Results**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

**Project:** 20143648

Site: None

Matrix: Water %Moisture: n/a

**Lab ID:** 201018190

 $\textbf{Description:} \ \underline{None}$ 

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

	36.0	D . I	DE	D 1		***	Reporting			** **
Analyte	Method	Batch	DF	Result	Qu	Units	Limit	Prep.	Analysis	Limit
Chloride	SM 4500-Cl E	191612	10	1730	D1	mg/L	10.0	06-Sep-12	06-Sep-12 15:52 JMA	
Total Dissolved Solids	SM 2540C	191664	1	3790		mg/L	10.0	07-Sep-12	07-Sep-12 09:55 MLS2	



## **Sample Results**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

Client ID: <u>327-090512-80-M10</u> Project: <u>20143648</u>

Project ID: BAYOU CORNE Site: None

**Description:** None

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Chloride	SM 4500-Cl E	191612	10	1700	D1	mg/L	10.0	06-Sep-12	06-Sep-12 15:52 JMA	
Total Dissolved Solids	SM 2540C	191664	1	3870		mg/L	10.0	07-Sep-12	07-Sep-12 09:55 MLS2	



Client ID: <u>327-090512-87-11</u> **Project ID:** <u>BAYOU CORNE</u>

## **Sample Results**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

**Project:** 20143648

Site: None

Matrix: Water %Moisture: n/a

**Lab ID:** 201018194

**Description:** None

Collected: 05-Sep-12 Received: 06-Sep-12

							Reporting			
Analyte	Method	Batch	DF	Result	Qu	Units	Limit	Prep.	Analysis	Limit
Chloride	SM 4500-Cl E	191612	10	1730	D1	mg/L	10.0	06-Sep-12	06-Sep-12 15:52 JMA	
Total Dissolved Solids	SM 2540C	191664	1	3900		mg/L	10.0	07-Sep-12	07-Sep-12 09:55 MLS2	



**Client ID:** <u>327-090512-81-M12</u>

**Project ID:** BAYOU CORNE

**Lab ID:** 201018196

## **Sample Results**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

**Project:** 20143648

Site: None

Matrix: Water %Moisture: n/a

**Description:** None

Collected: 05-Sep-12 Received: 06-Sep-12

A I 4 -	M-4b-3	D-4-b	DE	D14	0	TT:4	Reporting	D	A T	T ::4
Analyte	Method	Batch	DF	Result	Qu	Units	Limit	Prep.	Analysis	Limit
Chloride	SM 4500-Cl E	191612	100	2670	D1	mg/L	100.	06-Sep-12	06-Sep-12 16:03 JMA	
Total Dissolved Solids	SM 2540C	191664	1	5620		mg/L	10.0	07-Sep-12	07-Sep-12 09:56 MLS2	



Client ID: <u>327-090512-89-M7</u> **Project ID:** <u>BAYOU CORNE</u>

## **Sample Results**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

**Project:** 20143648

Site: None

Matrix: Water %Moisture: n/a

**Lab ID:** 201018199

**Description:** None

Collected: 05-Sep-12 Received: 06-Sep-12

							Reporting			
Analyte	Method	Batch	DF	Result	Qu	Units	Limit	Prep.	Analysis	Limit
Chloride	SM 4500-Cl E	191612	100	2550	D1	mg/L	100.	06-Sep-12	06-Sep-12 16:03 JMA	
Total Dissolved Solids	SM 2540C	191664	1	5320		mg/L	10.0	07-Sep-12	07-Sep-12 09:56 MLS2	



## **Sample Results**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

Client ID: <u>327-090512-90-M8</u> Project: <u>20143648</u>

Project ID: BAYOU CORNE Site: None

**Description:** None

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Chloride Total Dissolved Solids	SM 4500-Cl E SM 2540C	191612 191664	10 1	1070 2230	D1	mg/L mg/L	10.0 10.0	•	06-Sep-12 15:53 JMA 07-Sep-12 09:57 MLS2	



## **Surrogate Recovery**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

**Batch:** <u>191570</u> **Project:** <u>20143648</u>

Method: Water GC/MS Volatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
201018224	191570 BLANK 1		99	122	90					
201018225	191570 LCS 1		99	113	93					
201018229	327-090512-73-M2		97	117	90					
201018191	327-090512-80-M10		97	117	89					
201018196	327-090512-81-M12		93	118	88					
201018194	327-090512-87-11		96	115	89					
201018186	327-090512-88-M6		99	119	91					
201018226	327-090512-88-M6 MS 1		101	115	94					
201018227	327-090512-88-M6 MSD 1		104	114	94					
201018227	327-090512-89-M7		93	117	88					
201018199	327-090512-90-M8		96	118	89					
201018281	327-090512-95-M1		98	115	88					
201018185	327-090512-98-M4		100	116	89					
201018183	327-090512-M16		96	118	89					
	327-090512-W10 327-090512-TB		99		88					
201018183	341-090314-1D		77	116	00					
	QC limits:		68-124	72-126	79-119					

Sur 1: 4-Bromofluorobenzene (S)

Sur 2: Dibromofluoromethane (S)

Sur 3: Toluene-d8 (S)

 $<sup>\</sup>ensuremath{^*}$  denotes surrogate recovery outside of QC limits.



## **Quality Control**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

**Batch:** <u>191570</u> **Project:** <u>20143648</u> **LCS:** <u>201018225</u> <u>06-Sep-12</u> <u>12:48</u>

Method: Water GC/MS Volatile Organics MS: 201018226 06-Sep-12 14:09

Units: ug/L MSD: 201018227 06-Sep-12 14:29

Original for MS: Client Sample 201018186

Parameter Name	LCS Spike	LCS Found		MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC LCS	Limits MS/MSD	Max RPD	Qu
Benzene	50.0	48.0	96	50.0		48.2	47.6	96	95	1	66-132	58-140	20	
Ethylbenzene	50.0	48.4	97	50.0		49.5	48.9	99	98	1	71-130	65-136	20	
Toluene	50.0	46.5	93	50.0		46.5	46.3	93	93	1	68-131	60-137	20	
m&p-Xylene	100.	103.	103	100.		106.	105.	106	105	1	68-134	62-139	20	
o-Xylene	50.0	51.5	103	50.0		52.0	51.7	104	103	1	67-131	61-137	20	





**Blank ID:** <u>191570 BLANK 1</u> **Project:** <u>20143648</u>

**Lab ID:** 201018224

Prep Level: Water Batch: 191570

**Method:** Water GC/MS Volatile Organics

Prepared: 06-Sep-12

					Units: ug/L	
					Reporting	
CAS Num	b Analyte	Dilution	Result	Qu	Limit	Analysis
71-43-2	Benzene	1	ND		5.00	06-Sep-12 12:28 MHM
100-41-4	Ethylbenzene	1	ND		5.00	06-Sep-12 12:28 MHM
108-88-3	Toluene	1	ND		5.00	06-Sep-12 12:28 MHM
	m&p-Xylene	1	ND		5.00	06-Sep-12 12:28 MHM
95-47-6	o-Xylene	1	ND		5.00	06-Sep-12 12:28 MHM



# **Inorganics Quality Control**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

**Project:** 20143648

Parameter	Batch	Blank	Units	LCS Spike	LCS Found		MS Spike	Sample Found	MS Found	MSD Found		MSD %Rec	RPD	QC Li LCS MS		Max RPD	Qu
Chloride	191612	< 1.00	mg/L	69.0	63.6	92	100.	3400	3200		0 *		0	90-110	75-125	20 I	01,Q3
Total Dissolved Soli	d 191664	< 10.0	mg/L	100.	94.0	94							8	80-120		20	



## **Sample Results**

#### **Tentatively Identified Compounds**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

Client ID: <u>327-090512-TB</u> Project No.: <u>20143648</u>

Project: BAYOU CORNE Site: None

**Description:** None Prep Level: Water Batch: 191570

**Method:** GCMS VOAs Water

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

**Prepared:** <u>06-Sep-12</u>

Units: ug/L

CAS No.	RT Tentatively Identified Compound	Dilution	Result	Qu	Analysis
000064-17-5	1.63 Ethanol	1	8.51	J A1	06-Sep-12 13:08 MHM

1 TIC(s) reported



#### **Sample Results**

#### **Tentatively Identified Compounds**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

Client ID: <u>327-090512-98-M4</u> Project No.: <u>20143648</u>

Project: BAYOU CORNE Site: None

Description: None Prep Level: Water Batch: 191570

**Method:** GCMS VOAs Water

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

Prepared: 06-Sep-12

Units: ug/L

CAS No.	RT Tentatively Identified Compound	Dilution	Result	Qu	Analysis
000064-17-5	1.63 Ethanol	1	7.80	J A1	06-Sep-12 13:28 MHM

1 TIC(s) reported



#### **Tentatively Identified Compounds**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

Client ID: <u>327-090512-88-M6</u> Project No.: <u>20143648</u>

Project: <u>BAYOU CORNE</u> Site: <u>None</u>

**Description:** None Prep Level: Water Batch: 191570

**Method:** GCMS VOAs Unpreserved

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

Prepared: 06-Sep-12

Units: ug/L

CAS No.	RT Tentatively Identified Compound	Dilution	Result	Qu	Analysis
000064-17-5	1.63 Ethanol	1	21.3	J A1	06-Sep-12 13:49 MHM



#### **Tentatively Identified Compounds**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

Client ID: <u>327-090512-95-M1</u> Project No.: <u>20143648</u>

Project: BAYOU CORNE Site: None

**Description:** None Prep Level: Water Batch: 191570

Method: GCMS VOAs Unpreserved

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

**Prepared:** <u>06-Sep-12</u>

Units: ug/L

CAS No.	RT	<b>Tentatively Identified Compound</b>	Dilution	Result	Qu	Analysis			
000075-28-5	1.6	Isobutane	1	130.	J A1	06-Sep-12 14:50 MHM			
000075-28-5	1.73	Isobutane	1	92.8	J A1	06-Sep-12 14:50 MHM			
000078-78-4	2.2	Butane, 2-methyl-	1	10.6	J A1	06-Sep-12 14:50 MHM			
	000075-28-5 000075-28-5	000075-28-5 1.6 000075-28-5 1.73	000075-28-5 1.6 Isobutane 000075-28-5 1.73 Isobutane	CAS No.         RT Tentatively Identified Compound         Dilution           000075-28-5         1.6 Isobutane         1           000075-28-5         1.73 Isobutane         1	CAS No.         RT         Tentatively Identified Compound         Dilution         Result           000075-28-5         1.6         Isobutane         1         130.           000075-28-5         1.73         Isobutane         1         92.8	CAS No.         RT         Tentatively Identified Compound         Dilution         Result         Qu           000075-28-5         1.6         Isobutane         1         130.         J A1           000075-28-5         1.73         Isobutane         1         92.8         J A1			



#### **Tentatively Identified Compounds**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

Client ID: <u>327-090512-73-M2</u> Project No.: <u>20143648</u>

Project: <u>BAYOU CORNE</u> Site: <u>None</u>

**Description:** None Prep Level: Water Batch: 191570

Method: GCMS VOAs Unpreserved

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

**Prepared:** <u>06-Sep-12</u>

Units: ug/L

		C.	11165. <u>ug/L</u>		
CAS No.	RT Tentatively Identified Compound	Dilution	Result	Qu	Analysis
000075-28-5	1.61 Isobutane	1	11.3	J A1	06-Sep-12 15:10 MHM
000106-97-8	1.73 Butane	1	22.0	J A1	06-Sep-12 15:10 MHM
000078-78-4	2.19 Butane, 2-methyl-	1	5.01	J A1	06-Sep-12 15:10 MHM



#### **Tentatively Identified Compounds**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

Client ID: <u>327-090512-M16</u> Project No.: <u>20143648</u>

Project: <u>BAYOU CORNE</u> Site: <u>None</u>

**Description:** None **Prep Level:** Water **Batch:** 191570

**Method:** GCMS VOAs Unpreserved

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

Prepared: 06-Sep-12

Units: ug/L

CAS No.	RT Tentatively Identified Compound	Dilution	Result	Qu	Analysis
000115-10-6	1.63 Dimethyl ether	1	20.2	J A1	06-Sep-12 15:30 MHM



#### **Tentatively Identified Compounds**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

Client ID: <u>327-090512-80-M10</u> Project No.: <u>20143648</u>

Project: <u>BAYOU CORNE</u> Site: <u>None</u>

**Description:** None Prep Level: Water Batch: 191570

**Method:** GCMS VOAs Unpreserved

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

Prepared: 06-Sep-12

Units: ug/L

CAS No.	RT Tentatively Identified Compound	Dilution	Result	Qu	Analysis
000115-10-6	1.63 Dimethyl ether	1	8.34	J A1	06-Sep-12 15:50 MHM



#### **Tentatively Identified Compounds**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

Client ID: <u>327-090512-87-11</u> Project No.: <u>20143648</u>

Project: <u>BAYOU CORNE</u> Site: <u>None</u>

Description: None Prep Level: Water Batch: 191570

**Method:** GCMS VOAs Unpreserved

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

Prepared: 06-Sep-12

Units: ug/L

CAS No.	RT Tentatively Identified Compound	Dilution	Result	Qu	Analysis
000115-10-6	1.63 Dimethyl ether	1	20.2	J A1	06-Sep-12 16:11 MHM



#### **Tentatively Identified Compounds**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

Client ID: <u>327-090512-81-M12</u> Project No.: <u>20143648</u>

Project: <u>BAYOU CORNE</u> Site: <u>None</u>

Description: None Prep Level: Water Batch: 191570

Method: GCMS VOAs Unpreserved

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

Prepared: 06-Sep-12

Units: ug/L

CAS No.	RT Tentatively Identified Compound	Dilution	Result	Qu	Analysis
000115-10-6	1.63 Dimethyl ether	1	11.4	J A1	06-Sep-12 16:31 MHM



#### **Tentatively Identified Compounds**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

Client ID: <u>327-090512-89-M7</u> Project No.: <u>20143648</u>

Project: <u>BAYOU CORNE</u> Site: <u>None</u>

**Description:** None **Prep Level:** Water **Batch:** 191570

**Method:** GCMS VOAs Unpreserved

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

Prepared: 06-Sep-12

Units: ug/L

CAS No.	RT Tentatively Identified Compound	Dilution	Result	Qu	Analysis
000115-10-6	1.63 Dimethyl ether	1	11.8	J A1	06-Sep-12 16:51 MHM



#### **Tentatively Identified Compounds**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

Client: DEQ LABORATORY

Client ID: <u>327-090512-90-M8</u> Project No.: <u>20143648</u>

Project: BAYOU CORNE Site: None

**Description:** None Prep Level: Water Batch: 191570

**Method:** GCMS VOAs Unpreserved

Collected: <u>05-Sep-12</u> Received: <u>06-Sep-12</u>

Prepared: 06-Sep-12

Units: ug/L

		_			
CAS No.	RT Tentatively Identified Compound	Dilution	Result	Qu	Analysis
000115-10-6	1.63 Dimethyl ether	1	7.48	J A1	06-Sep-12 17:11 MHM
000106-97-8	1.73 Butane	1	10.3	J A1	06-Sep-12 17:11 MHM



# **Definitions/Qualifiers**

Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 (504) 469-0333

**Project:** 20143648

Value	Description
A1	The reported values are estimated concentrations determined using a relative response factor of 1.0 for these analytes. Quantitation was based upon the nearest internal standard free of interferences.
D1	The analysis was performed at a dilution due to the high analyte concentration.
Q3	The matrix spike recoveries are poor due to the presence of this analyte in the sample at a concentration greater than 4 times the spiked amount. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample.
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
В	This analyte was detected in the method blank.
Е	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.



# **Chains of Custody**



# INTERNAL CHAIN OF CUSTODY

EPN/SDG	#:	20143648					
Client:		DEQ.					
Analytical	Fraction:	ila	A, WO	2			
PACE ID	CLIENT ID	· · · · · · · · · · · · · · · · · · ·	PACE ID	CL	LENT ID		
20101818	3 327-090512	- TB	201018199	327-00	30512-8	19-MT	
18	5 327-090512		201	327-00	31512.9	6-m8	
18	6327-090512						
181	327-191512-		•				
180	7 327-090512-	· · · · · · · · · · · · · · · · · · ·			•		
191	1327-090512-	m16				,	
10		80-m10					
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# INTERNAL CHAIN OF CUSTODY

EPN/SDG #	<b>*:</b>	20143648 DEL.					
Analytical l	Fraction:		vA, W	<u>Q</u>	·		
PACE ID	CLIENT I	D	PACE ID	CLIEN	et id		
201.01818	327-09051	2-1B	20101819	327-0905	712-89-MJ		
. /80	327-090818	2-98-MY	201	327-0919	512.96-m8		
186	327-090512	-88-MC					
188	327-090512	95. MI	•		,		
189	327-090512-	73-m2					
190	327-090512	1 /		н	•		
191	327-090512	-80-m10			-		
194	327-0911512-	87-11		·			
196	327-090512-	81-m12					
				· · · · · · · · · · · · · · · · · · ·			
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STATE OF LOUISIANA DEPARTMEN CHA.	COUALITY	LABORATORY SERVICES Page   of 4
8 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Requested Analysis	100
Parish: ASSUMPTING Team Leader: Laury Peacock Permit Number/Inspector's Log Number: 327 Additional Team Members: Chry. Ou hite		
IS 된 기	Preservatives Aus. 63 X	Destination* Remarks AL, BL,RL, WL (Priority, etc.) ZE/D/B/152
327.090512-18-M4 WELL 17-35 327.090512-18-M4 WELL 17-M5	6 1 × × (6 2 × × × × × × × × × × × × × × × × × ×	P.P.
4327-090512-88-M6 9327-090512-88-M6 4	X X X X X X X X X X X X X X X X X X X	186
Split Samples Accepted?  If yes, Accepted By:  Name:	Sample Number Aliquot Grab Team Witness Name/Signature	Title
Signature: Sample #(s):		
Relinquished by:  Relinquished by:  Date 4-42 Time Received By:  Macin Hallin 1015  Macin Hallin 1015  Macin Hallin 1015	2.0	
Recommended Sample Disposition: *AL=Air Lab, BL=Bioassay Lab, RL-Radiation Lab, WL=Water Lab	Final Sample Disposition:	Date:

2043648 CHLE

STATE OF LOUISIANA DEPARTMENT	L QUALITY L	4BORATORY SERVICES
		Page 7 of 6
Name: 2000 1000	G # # Requested Analysis Additional Comments:	ents:
: 602 N. St 31., B.R.	0.00 a 0.	
Location: Lexas Brine	(°>)	
Parish: A 30 m 2 +ven Team Leader. Lew rie Peacect	7/2 G 3	
Permit Number/Inspector's Log Number: 327		
Additional Team Members: Chris Piehler	e n	
List any Field Data Sheets that accompany the sample	ы «	
Office Org # Project Code	ojijo oo o	
Sample #/Sampler I.D. Location ID/Outfail/ Date Time Sample   Methodology   Methodology	Preservatives	Remarks
9.5.12 1120 Water	10014 S. 3 X X V. 15:00	(A MOLLY), CIC.)
(30)		
327-090512-73-112	\$d' X E 9	
73-M2	, a,   /   X   ,   1 9	
327-090512-M16	(53 X )	
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1327-0405/2-80-410 1327-040617-80-410	(53 K	
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Split Samples Accepted? If yes, Accepted By:	Sample Number Aliquot   Grab   Team Wimess Name/Signature	Title
Name:		
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Sample #(s):		
CHAIN OF CUSTODY		
y: Date g g 1 Time Received By: 9		
a sacrack Times of		
MEGG TANK THE TO DO STANK	C <	
	Final Sample Disposition: Date:	
*At≒Air Lab, BL =Bioassay Lab, RL-Radiation Lab, WL=Water Lab		

LABORATORY SERVICES Page 3 of Remarks (Priority, etc.) Title Additional Comments: Date: Destination\* AL, BL,RL, WL Witness Name/Signature 0 Requested Analysis Team ঔ∂ ৸२७७ VOCS-67EX Chloride Grab Ķ department of environmental quality CHAIN OF CUSTODY QIYB Aliquot Final Sample Disposition: ত্তত OoEn 0 н Preservatives Sample Number 2000 Methodology Peacock Project Code Sample Medium/Type 185681 202 Received By: 1230 1240 1250 #0 If yes, Accepted By: Time Recommended Sample Disposition:
\*AL=Air Lab, BI =Bioassay Lab, RL-Radiation Lab, WL=Water Lab Team Leader: 5480 CHAIN OF CUSTODY
Date 9.1.43 Time Org # 9.5.12 Date TO THE PARTY OF TH List any Field Data Shects that accompany the sample Location ID/Outfall/ (Canister S.N.) Permit Number/Inspector's Log Number: 327 ESe II Additional Team Members: ( ) r c > 在からかっていい 327-690512-81-411 327-690512-81-1112 327-090512-87-11 STATE OF LOUISIANA 327-090512-87-Split Samples Accepted? Sample #/Sampler I.D. Relinquished by: ころない Sample #(s): Signature: Location: Parish: Name: Name: page 52 of 54

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STATE OF LOUISIANA				MA MA	Department C Chann	chment of environmental quality Chain of chistody	ntal quai DV	Ali			LA	LABORATORY SERVICES
				-			# # 5	2	Requested Analysis	alysis	Additional Comments:	nents:
Name: Bayou Corne	90		#0	18	182981							
Address: L. C. W.	FIFTH SJ. B	B.R.					a a	707 00 078				
Location: Cross Fee							д,	55 fo 18				
Parish: A 55 Upon p +10 in		Team Leader:	7	-Aurie Pea	Peacoca		ਾ ਨ ਪ	ピープ				
Permit Number/Inspector's Log Number:	1						ء ہے. د	9T				
Additional Team Members:	Chris Pichler	100					- s	3				
List any Field Data Sheets that accompany the sample	accompany the sample_						E 6	इत् १११ (२.				
Office		Org #		Project Code	Code		,	0140				
Sample #/Sampler I.D.	Location ID/Outfall/ (Canister S.N.)	Date	Time	Sample Medium/Type	e   Methodology	y Preservatives		2			Destination*	Remarks (Priority etc.)
327-090512-89-47		9.5.12	17,10	Wader	<del></del>	┿	63		<u></u>		()	(current) circ.)
327-090512-89-M7		-	0/6)			_	j S	×	X			
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327-010512-90-MX		_	1300			· · ·	6 /	X		100		
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Split Samples Accepted?		If yes, Accepted By:	cepted By:		Sam	Sample Number	Alionot	Grah	Team	Witness Name/Signature	4	
Name:		. :								0		
Signature:												
Sample #(s):			:									
	CHAIN OF CUSTODY	USTODY										
Relinguished by:	Date, 9-6-17	Time	<b>K</b>	Received By:	2							
Salvaria Jaca	18 9:31 K	❤️	)	Manit	La Mille							
Marie William	4-9-6	0 5	1	much		000						
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7					i							
Kecommended Sample Disposition:	Jisposition:				Für	Final Sample Disposition:	osition:				Da	Date:
"AL-Ait Lad, Bi,-Bioassay Lad, KL-Kadiation Lad, WL-Water Lad	ab, KL-Kadiation Lab, W	∨∟=water	Lab									

Sample Condit



Pace Analytical 1000 Riverbend. Blv St. Rose, LA 70087	d., Suite F		i roje	.u. #. <u>  2</u>	Ü		giris (giran seringger (giran sens))
Courier: Pace Courier	□ Fed X	□ UF	es 🗆 D	HL 🗆	USPS	□ Customer	☐ Other
Custody Seal on Cooler/Box Present:	see COC]			C	Custody	Seals intact: 🗵	Yes □No
Therometer Used:  Therm Fisher IR 1  Therm Fisher IR 2  Therm Fisher IR 4	Type of Ice:	(v	Vet Blue 1	None	Sam	ples on ice: [see	cocj
Cooler Temperature: [see COC]	Temp should be a	bove f	reezing to 6°C	Dat	e and Ini tents:	tials of person ex	amining
Temp must be measured from Temperature blank w	hen present		Comments:				
Temperature Blank Present"?	□Yes ☑No	□N/A	1				
Chain of Custody Present:	□Yes □No	□N/A	2				
Chain of Custody Complete:		□n/a	3				
Chain of Custody Relinquished:	QYes □No	□n/a					
Sampler Name & Signature on COC:		□n/a					,
Samples Arrived within Hold Time:	<del></del> ,	□n/A					
Sufficient Volume:		□n/a					
Correct Containers Used:		□N/A					
Filtered vol. Rec. for Diss. tests		□n/a					
Sample Labels match COC:	□Yes □No	□n/a	10				
All containers received within manafacture's precautionary and/or expiration dates.		□n/a	· · · · · · · · · · · · · · · · · · ·				
All containers needing preservation have been checked (except VOA, coliform, & O&G).	□Yes □No	□MA.	12				
All containers preservation checked found to b compliance with EPA recommendation.	e in OYes ONo			was preserated lo		ded? □Yes □No NO3 H2	SO4
Samples checked for dechlorination:	□Yes □No	□N/A	, 14				
Headspace in VOA Vials ( >6mm):	□Yes □No	_ □N/A	14				
Trip Blank Present:	☑Yes ☐No	□n/a	16			· <del></del>	
Trip Blank Custody Seals Present	ØYes □No	□n/A	17				
Pace Trip Blank Lot # (if purchased):N/A	<u> </u>		18				
Client Notification/ Resolution: Person Contacted: Comments/ Resolution:					Date/	Time:	
			A PARTY CANADA TANDA				
		PART NOW	·				